

STATE OF ILLINOIS

ILLINOIS COMMERCE COMMISSION

ILLINOIS INDEPENDENT TELEPHONE
ASSOCIATION

Petition for initiation of an investigation of
the necessity of and the establishment of a
Universal Service Support Fund in accordance
with Section 13-301(d) of The Public Utilities
Act.

ILLINOIS COMMERCE COMMISSION
On Its Own Motion

Investigation into the necessity of and, if
appropriate, the establishment of a universal
support fund pursuant to Section 13-301(d) of
The Public Utilities Act.

Docket No. 00-0233

OFFICIAL FILE

ILL. C. C. DOCKET NO. 00-0233/0335
ITA Docket No. 4.0

Witnesses
Date 6/19/01 Reporter aal

Docket No. 00-0335

REBUTTAL TESTIMONY

OF

ROBERT C. SCHOONMAKER

ON BEHALF OF

THE ILLINOIS INDEPENDENT TELEPHONE ASSOCIATION

June 15, 2001

1 Q. Please state your name and business address.

2 A. My name is Robert C. Schoonmaker, and my business address is P. O. Box
3 25969, Colorado Springs, Colorado 80936.

4
5 Q. By whom are you employed and in what capacity?

6
7 A. I am a Vice President of GVNW Consulting, Inc., a consulting firm specializing
8 in working with small telephone companies.

9
10 Q. Are you the same Robert C. Schoonmaker who previously filed Direct and
11 Supplemental Direct Testimony in this phase of these consolidated dockets?

12 A. Yes, I am.

13

14 Q. What is the purpose of your Rebuttal Testimony?

15 A. In my Rebuttal Testimony, I will be responding to both the Direct and Rebuttal
16 Testimony of various Staff witnesses and the witnesses for AT&T,
17 MCI/WorldCom, Sprint, Ameritech and Verizon. My Rebuttal Testimony, on
18 behalf of the IITA, will respond to the testimony of the other witnesses except my
19 response to testimony directed at the individual small company rate-of-return
20 showings filed by other witnesses on behalf of the respective individual small
21 companies will be limited to Staff's proposed federal USF support adjustment.

22
23 While a substantial volume of testimony and recommendations (some conflicting)
24 have been submitted by the various witnesses, my Rebuttal Testimony is
25 organized so as to respond to the following topics and issues: (1) the appropriate
26 inputs to the HAI Model 5.0a; (2) how the HAI Model results should be used in

27 this proceeding; (3) the services to be supported; (4) the affordable price for the
28 supported services; (5) access charge issues; (6) Staff's transition plan; (7) the
29 ISCECA as the initial fund administrator; (8) fund administration issues; (9)
30 funding methodology issues; (10) administration of any Commission ordered
31 "true-up" and (11) a response to the Staff proposed adjustment to federal USF
32 amounts used in the individual company earnings analysis.

33
34 Q. Prior to addressing the issues and topics discussed above, do you have any general
35 comments or concerns related to the testimony and positions of the Staff
36 witnesses and the witnesses for the other parties?

37 A. Yes, I do. In an investigation such as this that potentially impacts 50 small
38 companies and involves numerous and complex issues, unfortunately, it is easy to
39 lose sight of the impact on individual companies and the individual customers of
40 those respective companies. In my opinion, every effort should be made to make
41 certain this does not occur in the considerations and determination of the issues
42 involved in this proceeding.

43
44 In that regard, it bears repeating that this proceeding concerns the establishment
45 of a new Universal Service Fund for the high cost rural areas served by the small
46 companies. As described in my Direct Testimony, this new Fund will replace two
47 existing funds; i.e., Illinois High Cost Fund and the DEM Weighting Fund. In the
48 year 2000 (the year for which the rate-of-return showing is presented on an
49 individual company basis), the small companies received a total of \$3,000,000

50 from the Illinois High Cost Fund and a total of \$10,385,264 from the DEM
51 Weighting Fund, resulting in total support of \$13,385,264.

52
53 The Illinois High Cost Fund, which has been capped at \$3,000,000 since the mid-
54 1980's, covers non-traffic sensitive costs, such as loop costs, that were removed
55 from access charges (the intrastate Carrier Common Line Charge) where those
56 costs were greater than the Commission then determined to be appropriate to pass
57 on to customers in monthly rate increases. The small companies' investment in
58 non-traffic sensitive plants have continued and the costs have grown to levels in
59 excess of the "capped" amounts.

60
61 It should also be remembered that the DEM Weighting Fund was to replace on an
62 intrastate basis revenue dollars that the small companies previously received in
63 intrastate access charges. Each of the companies' reductions in access charges
64 have from the first year of the fund and each year thereafter exceed the amount of
65 what the companies received from the DEM Weighting Fund.

66
67 As shown on Attachments #1 and #2 to IITA Exhibit 2.0, on the average,
68 companies received a total of \$9.59 per line, per month from the existing funds
69 with certain companies receiving support in excess of \$60.00 per line, per month.

70
71 Taking the above history into account, in my opinion, it should not be surprising
72 that the rate-of-return showing presented by the individual companies shows, on a
73 collective basis, a need of \$14,567,114 (IITA Exhibit 3.0, Attachment #4) from a
74 new Universal Service Fund to replace the existing sources of funding. This is at

75 a rate-of-return level not just as proposed by the small companies but at a level
76 agreed to by the Staff of the Commission as a result of discussions and
77 negotiations.

78
79 However, the positions in testimony presented by the Staff and the witnesses for
80 the other Intervenor seems to be focused by whatever means or issues are
81 available to "bid down" the amount of any new Universal Service Fund and the
82 amount of high cost support available.

83

84 Q. Has there been any attempt to quantify the impact that the establishment of an
85 IUSF of the size similar to that shown in IITA Exhibit 3, Attachment 4 would
86 have on end user customers?

87 A. Yes. The IITA submitted a data request to staff witness Clausen requesting an
88 estimate of the Illinois intrastate retail revenues. Attached as IITA Exhibit 4,
89 Attachment 9, is Mr. Clausen's response to that data request. As can be seen from
90 the response, Mr. Clausen estimates that 2000 intrastate retail revenues (excluding
91 wireless revenues) was approximately \$4.622 billion. Mr. Clausen further
92 estimates that a \$12 million IUSF fund would require an surcharge on end user
93 retail revenues of 0.26%. On an telecommunications bill for \$30 in a month this
94 would equate to a surcharge of \$0.078 per month or between \$0.90 and \$1.00 per
95 year.

96

97 Q. Have you calculated the estimated surcharge percentage based on a \$14.6 million
98 IUSF fund?

99 A. I have. Using Mr. Clausen's estimate of \$4.622 billion as the intrastate retail
100 revenues a fund of \$14.6 million would require a surcharge of approximately
101 0.32%. This would equate to a monthly surcharge on a \$30 retail bill of \$0.096.

102

103 Q. What is your assessment of the benefits of such a fund?

104 A. I believe that the fund would provide substantial benefits to customers of the
105 small Illinois companies in keeping their end user local rates affordable without
106 placing undue burdens on customers in the rest of the state. Nine to ten cents per
107 month is not a substantial amount for customers to pay to assure access to
108 customers in the rural parts of the state.

109

110 HAI INPUT ISSUES

111 Q. Before discussing the issues related to the HAI inputs in detail in response to the
112 direct testimony of the witnesses, do you have any general observations related to
113 the testimony regarding the HAI inputs?

114 A. Yes. I believe that this whole discussion highlights the questionable validity of
115 the costs produced by forward-looking cost models and the substantial difficulty
116 that using these costs can cause. While from an economic perspective, there is an
117 attractiveness from a theoretical standpoint for using forward-looking costs.
118 However, in practical implementation there is a wide disparity of opinions and, in
119 some cases, data available that can make wide variations in the forward-looking

120 cost. This leaves the Commission in the difficult position of trying to sort out
121 from a variety of data, the appropriate inputs to use based on conflicting data from
122 a variety of sources and presented by various parties that may have inherent
123 biases in the desired results and thus the data they choose to present.

124

125 Q. Is the universe of companies that are the subject of this proceeding relative to the
126 evaluation of the inputs?

127 A. It certainly is. This proceeding is about the forward-looking costs results of less
128 than 50 small telephone companies in Illinois. The largest, in terms of access
129 lines, is Harrisonville Telephone Company which serves approximately 20,000
130 access lines. The average lines per company is around 2,500 lines. These
131 companies are very different from the large Bell Operating Companies which
132 serve the vast majority of the lines in the country and whose operations were the
133 primary focus of the model development. When one reviews the alternative input
134 data proposed, the target of the default assumptions, and the companies included
135 in this analysis should be a major consideration.

136

137 Q. Does Staff witness Koch recognize this in his testimony?

138 A. I do not believe that he does. On pages 19 and 21 of his direct testimony, for
139 example, he indicates that the IITA does not adequately justify changes for some
140 inputs, in fact, most of the input changes that we proposed. His reason for
141 believing that these changes are not justified is that they are based on small
142 groups of Illinois companies rather than all the small Illinois companies.

143 However, he fails to recognize that the default inputs for these items are based on
144 estimates of the costs primarily of non-Illinois companies, and virtually no
145 companies that are of the size that are the primary focus of this proceeding. Mr.
146 Koch simply accepts the default assumptions as being appropriate when they have
147 no relevance to the companies being studied.

148

149 Q. Can you provide a specific example of this?

150 A. Yes, the change in the ratio of the COE switching expense and transmission
151 expense ratios to investment that is proposed as item # 12 in the assumption
152 changes I outline in IITA Exhibit 2, Attachment #3 is based on an analysis of the
153 current actual expenses of the small Illinois telephone companies. The default
154 assumptions, as described in the HAI Input Portfolio document, IITA Exhibit 1,
155 Attachment 3, for these two inputs are based on a 1993 study of incremental costs
156 of New England Telephone Company in New Hampshire. Mr. Koch makes no
157 explanation as to why this eight-year old study of costs of the BOC in New
158 Hampshire is more representative of Illinois costs than are the costs of the Illinois
159 companies themselves. I do not find the support for the default assumptions
160 persuasive at all.

161

162 Q. Mr. Koch also criticizes your input changes because they "...inflate the economic
163 cost of services eligible for USF support..." and because they "...produce
164 significant increases in costs."¹ Can you respond to these criticisms?

¹ Koch Direct Testimony, p. 20.

165 A. While Mr. Koch is correct that the overall results of the assumption changes that I
166 make increase the cost from costs developed under the default assumptions. The
167 question of whether that, by itself, invalidates my input changes should not be
168 judged simply by the results, but by the rationale for making those changes. It
169 should not be surprising that the costs for providing service in rural areas and
170 small companies is higher than the average costs for serving BOC size companies
171 in areas dominated by urban operations. Furthermore, Mr. Koch has simply
172 accepted the default assumptions as the appropriate base to compare to when
173 making these assertions and assumes that the higher results reflects a bias on my
174 part. He makes no attempt to evaluate the potential bias of the developers of the
175 HAI model and its default inputs. The firms who developed and presented this
176 model are AT&T and WorldCom (formerly MCI). These companies were
177 concerned with the results of forward-looking models as potential payors into
178 universal service funds and potential payors of unbundled network element rates.
179 Thus there is at least as great a potential that the default inputs are biased in a
180 downward basis as there is that the IITA inputs are biased in an upward basis.

181

182 Q. Can you provide any evidence that the input changes that you propose have some
183 degree of neutrality in regard to bias?

184 A. I can provide evidence to that effect. In response to a data request submitted by
185 Commissioner Kretschmer, the IITA calculated the impact on the universal
186 service cost of each of the twelve categories of input changes proposed by the
187 IITA, calculating a weighted average for the IITA companies as a whole using the

188 companies actual access lines as a basis for weighting. The results of this analysis
189 are presented in IITA Exhibit #3, Attachment 1. Of the twelve categories of input
190 changes proposed by the IITA only seven of the twelve produced increases in
191 costs while four caused decreases. This provides evidence that I did not solely
192 choose changes which would increase the costs. Further evidence of the rationale
193 for each of these proposed changes is provided in detail in my direct testimony.
194 In most of the cases, specific factual reasons for making the changes related to the
195 difference of conditions among these small companies and in Illinois specifically
196 provide the basis for the proposed changes.

197

198 Q. In regard to Mr. Koch's comments regarding the "upward bias" of the IITA
199 assumptions, do you have any observations from Attachment 1 that are relevant to
200 those comments?

201 A. Yes. While Mr. Koch rejects eight of the twelve assumption changes made by the
202 IITA he supports the two that have by far the largest impact in increasing the cost
203 causing the "upward bias" that he has concern about. Furthermore, two of the
204 eight assumption changes that he rejects actually reduce the USF cost. If the
205 Commission will study the rationale I have given for making the changes I have
206 proposed, I believe that they will find that these are well founded, regardless of
207 the overall impact of causing the costs to increase from those generated by the
208 AT&T sponsored default assumptions.

209

210 Q. Both Mr. Koch and AT&T witness Clarke criticize and reject a number of your
211 input assumptions because they say they are based on an analysis that uses
212 embedded costs and thus are not representative of forward-looking costs. What is
213 your response to this criticism?

214 A. I recognize that embedded costs are not always indicative of forward-looking
215 costs, particularly if the current forward-looking technology is different from the
216 embedded technology. Thus, the use of embedded costs for analysis or
217 comparisons in determining forward-looking costs must be done with some care.
218 However, there are valid uses for embedded costs or current costs in helping to
219 determine forward-looking costs or the validity of forward-looking cost estimates.
220 The HAI model developers themselves, for example, used the relationships
221 between investment and expense accounts for many of the plant accounts as the
222 basis for estimating the forward-looking expenses for many accounts.

223
224 Q. Can you give some examples of places where embedded costs may be indicative
225 of the forward-looking costs or may be used in analyzing forward-looking costs of
226 various investments or expenses?

227 A. Yes. I can give several. Let's take land and buildings, for example. These are
228 assets with fairly long lives. They are also assets where the values have increased
229 substantially over time. If the quantities of land and buildings are reasonably
230 close to those owned by the telephone company, one would generally expect that
231 the embedded cost of land and buildings would be less than, possibly substantially
232 less than the forward-looking cost of the same assets. If one compares the

233 forward-looking estimate with the embedded cost and finds a similar relationship,
234 some confidence can be gained in the forward-looking estimate. If, however, the
235 forward-looking estimate is substantially less than the embedded cost, serious
236 question could be raised as to the validity of the forward-looking estimate and the
237 estimating technique.

238

239 Motor vehicles provides another example. These assets have relatively short
240 lives, five to eight years typically, with modest price increases over the past few
241 years. One can generally observe that there have not been significant technology
242 changes in this area which would change the need for these assets in providing
243 service. One could thus generally assume that the forward-looking cost of
244 vehicles would be modestly higher than the embedded cost. If the forward-
245 looking cost is twice the embedded cost, or half of it, it is not unreasonable to use
246 this type of comparison to conclude that the forward-looking estimate is flawed
247 and that a different estimate reflective of more realistic conditions is appropriate.
248 The analysis I did in recommending the change in inputs for COE switching
249 expense and COE transmission expense is another example. For most plant
250 specific expense categories, the HAI developers used relationships between
251 current expense and investment as the basis for estimating forward-looking
252 expenses. However, in these two categories they introduced an override factor
253 that reduced those relationships based on a now eight-year old New Hampshire
254 study of New England Telephone Company that indicated an estimated ratio of
255 expense to investment of .0269 for COE switching equipment and .0153 for COE

256 transmission equipment. Based on my analysis that for the Illinois small
257 companies these ratios in 1998 were 7.78% and 8.25% respectively, I changed the
258 inputs for these items to 7% and 7.5% respectively. I believe these changes were
259 appropriate in reflecting the forward-looking cost of the Illinois companies and
260 are much more representative than is the New Hampshire data. These estimates
261 are based on current costs and investment. I am not aware, nor has Mr. Koch or
262 Dr. Clarke asserted that there are any significant technological changes in the
263 immediate future that will significantly change the cost of maintaining this
264 equipment. The equipment in service today is similar to the forward-looking
265 equipment being modeled. If, as Dr. Clarke asserts, the forward-looking cost of
266 COE switching investment is less than the embedded investment, if anything the
267 expense factor relationship should be higher on a forward-looking basis than the
268 embedded relationships. My estimate conservatively allowed for some
269 productivity improvement and a lowering of the ratio from the current embedded
270 level. I believe that this type of analysis is a correct and appropriate use of
271 comparisons to embedded data to test the validity of forward-looking
272 assumptions, particularly related to this small group of rural companies.

273

274 Q. Does the analysis you used in developing your proposed input for central office
275 switching investment provide another example?

276 A. It certainly does, and an important one. COE switching investment is generally
277 the second largest investment category for a small company. As I indicated in my
278 direct testimony, a comparison between the HAI default assumption results for

279 COE switching investment and the actual investments of the company showed
280 that the forward-looking estimates were slightly more than 50% of the actual 1998
281 company investments. The default results were \$38 million as compared to the
282 \$72 million in actual investments. The actual investment in COE switching for
283 the companies in 2000 was \$80 million. The results of the assumptions I
284 recommend show a COE investment of \$67 million, approximately 6% less than
285 the actual 1998 investment and approximately 16% less than the actual 2000
286 investment. Those estimates are sufficiently under the actual embedded
287 investment to reflect some reduction in the forward-looking cost, if there is some,
288 but, I believe, are much more realistic than are the default assumptions.

289
290 Q. AT&T Witness Clarke defends the switching assumptions in the HAI model 5.0a
291 by stating that "...switching costs modeled pursuant to the FCC Synthesis
292 model's algorithms and data compare closely with those modeled by the HAI 5.0a
293 model using its default input values."² Do you have evidence to present regarding
294 this statement?

295 A. Yes, I do. As indicated earlier, the HAI 5.0a default assumptions produce a COE
296 switching investment for the Illinois companies of \$37 million. The FCC
297 Synthesis model, using its default assumptions generates COE switching
298 investment of \$51 million, approximately 34% greater than the HAI model. I
299 wouldn't consider a 34% difference something that "closely compares".
300 However, the \$67 million COE switching investment generated by the IITA
301 assumptions is approximately 34% greater than the Synthesis Model assumptions.

302 If one can say that the HAI model assumptions "closely compare" to the
303 Synthesis Model assumptions, then the IITA assumptions also "closely compare"
304 to the Synthesis Model.

305

306 Q. Dr. Clarke also criticizes the comparison of forward-looking costs because
307 "...embedded switching accounts contain investments for equipment beyond just
308 end-office switches (e.g., tandem or packet switches)."³ Do any of the Illinois
309 companies have investments in tandem or packet switches?

310 A. No, they do not. Thus, this concern which may apply to the BOCs is not relevant
311 to my comparison. Dr. Clarke's statement that targeting modeled switching costs
312 to the embedded costs is "...sure to result in an overestimate of the forward-
313 looking cost of end office switching..." is unjustified and inaccurate in relation to
314 the small Illinois telephone companies.

315

316 Q. Dr. Clarke refers to HAI model versions 5.1 and 5.2 in his discussion of switching
317 costs and in other parts of his testimony. Could you comment on his references to
318 these versions of the HAI model?

319 A. Yes. In his discussion of switching costs he compares these models to the FCC
320 Synthesis Model and its results which he asserts "closely compare" to the HAI
321 5.0a model. He seems to be trying to bolster the use of the 5.0a default
322 assumptions by referring to the newer versions of the model. In other parts of his
323 testimony he refers to these models to justify assumptions which differ from

² Clarke, Testimony-May 11, 2001, p. 8, Lines 17-19.

³ Clarke, Testimony-May 11, 2001, p. 9, Lines 3-4.

324 default assumptions for HAI 5.0a and even indicates that he will provide sample
325 results from these versions.

326

327 The fact is that these models are not available for use in Illinois, cannot be
328 evaluated, and should have no relevance to this proceeding. The IITA submitted
329 a data request to AT&T requesting documentation for these models, copies of the
330 models themselves, and the data to run them for the Illinois companies. In
331 response to this data request, AT&T provided documentation for version 5.2 of
332 the model only. In regard to the models themselves after explaining that to run
333 these models data would need to be purchased from an outside supplier, which
334 AT&T has not done, it concludes its response to the request for copies of the
335 models by stating, "AT&T does not have the required data nor a version of either
336 the HAI 5.1 or 5.2 model that is operational for Illinois." Neither copies of the
337 models or the data to operate them was provided. Since these models are not
338 operational for Illinois and cannot be evaluated, the Commission should not give
339 any weight to references to these models.

340

341 Q. Dr. Clarke spends considerable time criticizing the plant type assumptions
342 proposed by the IITA and the recommendation to choose a higher level of buried
343 plant. Could you comment on his analysis?

344 A. Dr. Clarke's primary criticism is that aerial plant is more economic than buried
345 plant and that it has a lower total investment cost. The results of the HAI model
346 clearly refute this argument. As shown on Exhibit 4, Attachment 1, the overall

347 economic impact on universal service cost of input change #1, Plant Type, is to
348 lower the cost of universal service rather than raise it. Thus Dr. Clarke's
349 argument, which might be true on a nationwide basis, is not true in Illinois. This
350 is further confirmed by further analysis of the HAI results under the default
351 assumptions which Dr. Clarke defends, and the IITA assumptions. Total cable
352 and wire facility investment for the small Illinois companies under the default
353 assumptions is \$377 million while under the IITA assumptions it is only \$344
354 million. The model supports the types of management decisions made by
355 company managers in Illinois to build mostly buried plant.

356

357 Q. What additional information do you have to provide in response to Dr. Clarke's
358 continued defense of the HAI default assumptions?

359 A. I note that Dr. Clarke's defense of these assumptions is simply a referral back to
360 the HAI Inputs Portfolio documentation. I would note that in order for these
361 assumptions to be valid, not only would one have to assume construction of a new
362 telephone network, but one would also have to assume the current rebuild of the
363 electric and cable TV networks at the same time. All parties would have to build
364 their networks in a similar time frame and all would have to agree to use the same
365 type of plant. This is a most unrealistic assumption for a number of reasons as
366 discussed in my direct testimony. It is also unrealistic because it does not
367 recognize the differences in cost characteristics of providing electric and
368 telephone service that lead these companies today to provide service via different
369 types of plant in rural areas. Attached as IITA Exhibit 4, Attachment 2 is a copy

370 of a response to Commissioner Kretschmer discussing the nature of these cost
371 differences.

372

373 Q. In adopting inputs for its Synthesis Model did the FCC use inputs for structure
374 sharing closer to the HAI default assumptions or the JITA assumptions?

375 A. While the FCC adopted structure sharing assumptions different from both the
376 HAI default and the JITA assumptions, they are much closer to the JITA
377 assumptions. The FCC adopted the following structure sharing assumptions:

378 For aerial structure, we assign 50 percent of structure cost in density zones
379 1-6 and 35 percent of the costs in density zones 7-9 to the telephone
380 company. For underground and buried structure, we assign 100 percent of
381 the cost in density zones 1-2, 85 percent of the cost in density zone 3, 65
382 percent of the cost in density zones 4-6, and 55 percent of the cost in density
383 zones 7-9 to the telephone company.⁴
384

385 I continue to recommend to the Commission that they use the JITA proposed
386 assumptions regarding structure sharing as they are much more realistic than the
387 HAI default assumptions.

388

389 Q. AT&T witness Clarke proposes that the HAI default assumptions be modified to
390 reflect different distribution and copper feeder plant cable fills. Is his rationale for
391 these changes consistent with the rationale underlying the default assumptions?

392 A. It is not. His explanation for the change is that the default values "...were
393 designed to represent measured fill at the central office, rather than be general

⁴ Tenth Report and Order, CC Docket No. 96-45, FCC #99-304, Adopted October 21, 1999, Released November 2, 1999, paragraph 243.

394 cable sizing factors.”⁵ That description is not borne out by the HAI Inputs
395 Portfolio, (JITA Exhibit 1, Attachment 3). I have attached as JITA Exhibit 4,
396 Attachment 3 excerpts from the Inputs Portfolio supporting the default
397 assumptions for the Distribution Cable Sizing Factors which Dr. Clarke refers to
398 as the cable fill factors. This explanation makes no indication that they were
399 designed to represent measured fill at the central office as Dr. Clarke opines.
400 Rather there is a clear description which indicates how the factors are used as
401 general cable sizing factors. The explanation that engineers are more concerned
402 with the number of spare pairs as opposed to the percentages and that with smaller
403 sized cables a lower fill factor is necessary to provide some spare pairs is a logical
404 explanation why the factors should be lower in low density zones where cable
405 pair sizes are lower. The same explanation is provided on page 58 of the Inputs
406 Portfolio for copper feeder cable sizing factors.

407

408 Q. Does the HAI Model Description document (JITA Exhibit 1, Attachment 2)
409 provide additional information regarding Dr. Clarke’s assertion?

410 A. It does. The Model Description document contains the following description of
411 the use of these factors on Page 47:

412 Sizing factors are intended to provide reserve capacity above and beyond the
413 lines requirement determined by the model. If, for instance, a given cable
414 segment must serve 75 lines and the sizing factor set by the model is 0.50,
415 then the target cable size determined by the model is $75/0.5$, or 150.
416 However, cables are available only in discrete sizes, as shown in Item B9 in
417 Appendix B. The model selects the cable size at or most closely above the
418 minimum size calculated. In this example, this corresponds to a 200 pair
419 cable. Thus, the achieved fill is $75/200$, or 0.375. Generally, the average

⁵ Clarke Testimony, May 11, 2001, page 12, lines 16-18.

420 achieved distribution fill is significantly less than is indicated by the raw cable
421 sizing factors shown in Item B18.
422

423 This description clearly indicates that the model developers intended the cable
424 sizing factors as general sizing factors rather than as "the measured fill at the
425 central office".
426

427 Q. In adopting fill factors for use in the Synthesis Model, did the FCC recognize
428 differences in the fill factors based on density zone?

429 A. They did. IITA Exhibit I, Attachment 4 displays the fill factors adopted by the
430 FCC, factors that are much closer to the HAI default factors supported by AT&T
431 at one time, than the factors now proposed by Dr. Clarke.
432

433 Q. What is your recommendation to the Commission regarding Dr. Clarke's
434 proposed modifications to the cable sizing or fill factors?

435 A. The Commission should reject Dr. Clarke's proposal. The factors supported by
436 AT&T as the default factors for HAI model 5.0a are more appropriate cable sizing
437 factors than are the factors proposed by Dr. Clarke.
438

439 Q. Do you agree with Dr. Clarke's proposed inputs regarding cost of capital?

440 A. I do not. I agree with the testimony of Staff witness Pregozen that the use of this
441 Ameritech information from a prior period is not an appropriate measure of the
442 cost of capital for the small Illinois companies. Dr. Clarke's proposed debt
443 structure of almost 60% debt is not representative of either large or small

444 telephone companies. The cost of equity from a prior period is not representative
445 of the forward looking cost of equity of the small companies. I also agree with
446 Mr. Pregozen's discussion of the many factors of business risk faced by small
447 companies that need to be considered in determining their cost of equity.

448

449 Q. Dr. Clarke opines that the rural areas are "more immune to competitive
450 penetration" than are the metropolitan areas served by rural carriers. Are rural
451 carriers immune to competition?

452 A. No they are not. While most of the rural carriers do not face competition yet from
453 competitive local exchange carriers (CLECs), virtually all of them are facing
454 competition from wireless service providers. With a high percentage of their
455 revenues associated with usage sensitive access charges, a much higher
456 percentage than the large urban companies, wireless carriers are a definite
457 competitive threat to the small companies and are causing them to lose revenues
458 they would otherwise have. I expect that this type of competition will continue to
459 grow and may lead to some customers actually replacing their land line service
460 completely with wireless service.

461

462 Q. Dr. Clarke, on page 10 of his May 11 testimony, opines that the validity of the
463 HAI default expense factors, "...has generally been affirmed by the collection of
464 expense factors that has been adopted by the FCC for its Synthesis model." Do
465 you agree with this assertion?

466 A. This assertion is made in regard several expense categories and is not accurate, at
467 least to the extent that Dr. Clarke opines that it is. For example, the FCC made no
468 determination of an appropriate factor for carrier-to-carrier customer service
469 expense. The FCC's determination of billing/bill inquiry expense, which
470 incidentally was based on a regression analysis of embedded expense levels,
471 coincidentally arrived at a level of \$3.62 per line per month, the identical number
472 that the JITA is proposing and over twice as high as the HAI default assumption.
473 For network operations expense the FCC uses an input of \$1.48 per line per
474 month for universal service or local functions only. The HAI default assumptions
475 for the small Illinois companies generates \$1.52 per line per month for all network
476 functions including the provision of access, interoffice switching, and interoffice
477 transport.

478

479 Q. Dr. Clarke proposes that fiber costs be reduced substantially from the HAI default
480 inputs due to changes in cost since the HAI default assumptions were developed.
481 What is your response to this proposal?

482 A. Dr. Clarke's choice of this one item of many costs that have changed since the
483 HAI inputs were developed serves his desire to lower the overall cost developed
484 by the model. While the price of fiber may have been reduced since the HAI
485 default assumptions were developed, prices of other inputs have increased. Labor
486 is another significant contributor to the costs produced by the model. There is no
487 doubt that labor costs have increased since the 1996 time frame which was the
488 basis for the cost inputs in the HAI model. If cost factors are to be updated from

489 the 1996 time period it would only be appropriate to make adjustments for costs
490 that have both increased and decreased, not just one input factor that has
491 happened to decrease.

492

493 USE OF THE HAI MODEL

494 Q. In the testimony that has been presented, various parties propose using results
495 from the HAI model in a variety of ways. Do you have any general comments
496 regarding these proposed uses of the results of this model?

497 A. I do. In my direct testimony, when I introduced the HAI model as a tool to
498 estimate forward-looking costs for the small Illinois companies I expressed a
499 number of reservations regarding using the model and its results. Nevertheless, I
500 proposed its use in a broad way as one measure to meet certain statutory criteria.
501 While the IITA had certain misgivings about using this model, it did support the
502 use of it in the manner proposed by the IITA. However, in this proceeding there
503 are a number of proposals that suggest a reliance on the model for individual
504 company results and for limitations on individual company funding that go well
505 beyond uses for which the model may be appropriate. There are also proposals
506 that the industry and the Commission go through annual updates, a process which
507 is likely to be costly and time consuming. In reviewing the use of the model, I
508 recommend strongly that the Commission recognize the weaknesses of this tool
509 and use it in a minimal manner, rather than as a specific indicator of precise
510 company costs and funding requirements.

511

512 Q. What statutory requirements was the JITA trying to meet when it proposed
513 introduction of the HAI model?

514 A. The statute indicates that companies may be eligible funding if their "economic
515 costs" of providing universal service exceed an affordable rate and federal support
516 received. The term "economic costs" is not defined in the statute. The JITA
517 assumed, based on discussions of cost issues before the Commission in a variety
518 of cases over the past several years, that most parties would conclude that
519 "economic costs" should be interpreted as forward-looking costs. In order to
520 attempt to simplify this proceeding, the JITA proceeded on a course accepting that
521 assumption and tried to fashion a reasonable result using that assumption and the
522 limitations of the statute. However, with the specific proposals for using the HAI
523 based studies to limit companies ability to receive funding, that assumption will
524 be challenged and tested in this proceeding.

525

526 Q. Can you describe some of the specific proposals that concern you?

527 A. Yes. Staff witness Hoagg proposes that the HAI model results be used to limit
528 and eliminate the funding for individual companies where the analysis of HAI
529 cost compared to the affordable rate and federal support shows the company
530 needs little or no support. At the same time he proposes that companies where
531 that analysis shows a great need for support be denied that support and limited by
532 the rate-of-return test.

533

534 AT&T witness Hegstrom proposes that the HAI model be used to eliminate
535 companies from funding eligibility if their HAI calculated access costs are less
536 than their Commission mandated access rates.
537 Verizon witness Beauvais proposes that companies whose HAI costs are above
538 their Commission mandated access rates should be required to raise their access
539 rates to the HAI cost level.

540
541 Each of these proposals assumes a validity to the HAI cost results, most at an
542 individual company level, that is beyond a reasonable expectation for the model
543 because of the model limitations I described in my direct testimony.

544

545 Q. What has been the reaction to these proposals?

546 A. Individual companies who are impacted negatively by these proposals are
547 legitimately responding by trying to provide better estimates of their individual
548 company costs with individual cost estimates and individual company
549 assumptions. While I have not reviewed and am not commenting on the specific
550 assumptions proposed by the individual companies, if the results of the HAI
551 model are going to be used on an individual company basis, studies using the
552 model but tailored to individual company situations are an appropriate response to
553 some of the infirmities of the model and its results.

554

555 Q. Is the Staff position regarding the use of individual company studies and inputs
556 consistent?

557 A. It does not appear to be. Staff witness Koch in his rebuttal testimony rejects most
558 of the individual input changes proposed by Mr. Petrouske because they are based
559 on the companies' individual embedded costs. However, Staff witness Hoagg in
560 his direct testimony characterizes the individual company HAI results as proxies
561 for the real costs. One can readily infer from his testimony that studies based on
562 individual company inputs reflecting the "real" costs of the company are
563 preferable to the HAI proxy costs and even more preferable to the average proxy
564 cost that the JITA proposes.

565

566 Q. Does the statute limit the Commission's ability to use proxy costs to only
567 considering the costs and not a proxy for revenues as argued by AT&T witness
568 Hegstrom?

569 A. Ultimately that decision will be determined by a legal analysis. However, from
570 my view as a regulatory expert, but not an attorney, it does not appear to include
571 that limitation. The relevant part of Section 13.301(d) states:

572 In establishing any such universal service support fund, the Commission
573 shall, in addition to the determination of costs for supported services,
574 consider and make findings pursuant to paragraphs (1), (2), and (4) of item
575 (e) of this Section. Proxy cost, as determined by the Commission, may be
576 used for this purpose.

577

578 It appears to me that the statute gives the Commission wide discretion in
579 determining and using proxy costs in making the determinations referenced in the
580 previous sentence. While the sentence does not mention the use of proxy
581 revenues, it certainly doesn't prohibit it. If the Commission chooses to use as a
582 proxy for its determination the cost of the small companies as a whole, it would

583 not be at all reasonable for the Commission to use the revenues of the companies
584 as a whole in meeting the tests described. This is particularly true in light of the
585 Commission's expressed intent to impose a non-statutorily based earnings
586 limitation test on USF funding as well.

587

588 Q. Mr. Hoagg, in his Direct Testimony, criticizes the IITA proposal to use HAI
589 results compared to revenue and support results for the small Illinois companies
590 as a whole for a number of reasons. Can you comment on his rationale?

591 A. Yes. First Mr. Hoagg argues that the IITA has not met a burden of proof to show
592 that its method is superior to his method which, in his terms, "...meaningfully
593 takes account of individual company HAI results." If Mr. Hoagg's methods
594 meaningfully took account of all individual company HAI results, I might agree
595 with him. However, the proposal of Mr. Hoagg only takes meaningful account of
596 individual HAI results that eliminate a company from consideration for funding.
597 If the HAI results show the company needs large amounts, those results are
598 discarded via the earnings test methodology.

599

600 Second, as discussed above, Mr. Hoagg appears to argue for individual company
601 studies rather than the HAI studies that he characterizes as proxy studies, while
602 fellow staff witness Koch, dismisses such studies as inappropriate.

603 Third, Mr. Hoagg argues that the use of the HAI studies as proposed by the Staff
604 "...should not prejudice inappropriately the interest of any IITA company." I

605 have prepared an analysis that clearly demonstrates that the interests of several of
606 the small Illinois companies interests will be substantially prejudiced.

607

608 Q. Would you please describe the analysis that you have conducted?

609 A. Yes. Under the proposal of staff as developed in Staff's rebuttal testimony, Mr.
610 Koch, in Staff Exhibit 8.0, Schedule I identifies eight companies who are totally
611 precluded from receiving IUSF support as a result of the HAI limitation proposed
612 by Mr. Hoagg. I have analyzed the impact on these eight companies of this IUSF
613 funding limitation proposal. IITA Exhibit 4.0, Attachment 7, provides this
614 analysis. Two alternatives are presented, the first based on the initial amounts
615 requested by the companies to achieve the agreed upon rate of return, the second
616 based on the staff recommended support amount to achieve the same return. For
617 each company the support amount necessary to achieve the appropriate rate of
618 return is divided by access lines and by twelve to calculate a support amount per
619 line per month. That amount is then added to the average basic service rate for
620 the company to estimate the rate that would be needed to provide basic service,
621 absent any IUSF support.

622

623 The results of the analysis shows that only one of the companies, Harrisonville,
624 would have a rate less than the affordable rate of \$24 proposed by the staff. One
625 other Odin would have a rate only slightly above that amount. For the remainder
626 of the companies, under staff's analysis of the needed support level, the rates for
627 the companies range from \$39.01 to \$79.21 per month. These rates, for basic

628 service only and excluding federal SLC charges, taxes, surcharges, etc., are
629 between 62% and 229% above the Staff proposed affordable rate. I believe this
630 analysis clearly demonstrates that the interests of some of the IITA companies
631 will be prejudiced.

632

633 Q. AT&T witnesses Clarke and Hegstrom advocate the use of average HAI costs
634 across all the companies, but proposes that they be evaluated against individual
635 company revenue and support measures. What is the flaw in this type of
636 analysis?

637 A. There are real cost differences between the companies in the Illinois group,
638 although the AT&T witnesses apparently recognize that the HAI model does not
639 do a particularly good job at accurately identifying those differences by company.
640 While the average cost may be a fairly good representation of the group as a
641 whole, it does not represent the cost of each individual company well at all. If
642 this average cost is attributed to all the companies individually, but compared to
643 revenues and support amounts that are based on higher or lower actual costs, the
644 resulting USF funding will be inappropriately distributed between the companies.
645 The use of the average cost, as proposed by Ms. Hegstrom, produces the same
646 overall support level, but distributes a higher portion than necessary to low-cost
647 companies and a lower portion than appropriate to high-cost companies.

648

649 Q. What is the appropriate use of the average cost then?

650 A. The appropriate use is that made by the IITA in its initial proposal. The overall
651 costs developed by the HAI model are compared to the revenues and support
652 revenues received by the total group of companies to determine whether the
653 companies as a whole pass the statutory test. The embedded earnings analysis, as
654 required by the Commission is then used to determine the funding level for the
655 individual companies based upon their earnings need.

656

657 Q. Ameritech witness O'Brien on pages 2 through 4 of his rebuttal testimony
658 discusses the infirmities of the HAI model and supports the use of the embedded
659 earnings test as the sole means of determining IUSF funding. Do you agree with
660 his discussion and conclusion?

661 A. I do. As Mr. O'Brien has aptly pointed out, there are many concerns with the use
662 of the HAI model, with varying inputs for the model, and with the results of those
663 models. He properly concludes on page 3 of his testimony that the HAI model
664 should only be used as a "...general acknowledgement of the Section 13-301(d)
665 requirement..." and that the model cannot be used "...for any cost/revenue
666 comparisons for any individual company." His conclusion is that "...the
667 Commission should afford no weight to the HAI model, whether for a specific
668 company or in total, when determining the amount of any high cost funding
669 needs." Mr. O'Brien then supports the use of the general methodology proposed
670 by the Staff and the IITA in conducting an earnings analysis to determine IUSF
671 funding. I agree wholeheartedly with Mr. O'Brien.

672

673 Q. Does the recent order of the FCC in regard to the recommendation of the Rural
674 Task Force support the concerns that Mr. O'Brien has regarding the HAI model?
675 A. Yes. While the FCC's order specifically addressed the Synthesis Model, the
676 observation of the FCC, quoted by others in their testimony, that the forward-
677 looking costs of rural telephone companies cannot be determined at this time,
678 supports the concerns expressed by Mr. O'Brien and the recommendation of both
679 Mr. O'Brien and the IITA that the HAI model only be used on a broad proxy
680 basis for the Illinois companies as a whole to meet the requirements of the statute.
681

682 SERVICES TO BE SUPPORTED

683 Q. Have the parties, in their direct and rebuttal testimonies filed in May, differed
684 significantly over the list of services that should be supported?
685 A. Not significantly. Most of the parties have supported the list of services adopted
686 by the FCC as an appropriate list of supported services. Verizon witness
687 Beauvais has added to that list one item to the list, white pages directory listings,
688 and has clarified the definition of access to interexchange carrier by adding "of
689 the customer's choice" to the end of that item. As Mr. Beauvais recognizes, the
690 cost of the white pages directory listing is relatively small and not of significant
691 consequence. While the clarification of access to interexchange carriers provides
692 a clarification, I do not believe it changes the requirement at all since federal
693 statute and federal and state rules require the provision of presubscription as the
694 means of offering access to interexchange carriers and thus the customer choice
695 requirement is implied in the requirement as it is stated by the FCC.

696 Q. Are you aware of the recently passed Illinois statute requiring the provision of
697 advanced telecommunications services to 80% of each company's customers in
698 the next three and a half years?

699 A. I only became aware of it in the past two to three days. As I understand it, the
700 statute is still awaiting the governor's signature. If this act is signed into law, the
701 Commission should give careful consideration to the need to add the provision of
702 advanced telecommunications services to the list of supported services. Given the
703 basis of the funding proposed by the IITA that is associated solely with the
704 embedded cost earnings analysis, adoption of this provision will not immediately
705 affect the funding results and can probably be delayed until the next phase of this
706 proceeding. However, I should point out that the adoption of this legislation
707 largely alleviates one of the concerns expressed by Staff witness Hoagg about
708 solely using the embedded cost earnings levels to develop the IUSF funding
709 amounts. He expressed the concern that some companies might build networks of
710 the type now contemplated by the legislation awaiting the governor's signature
711 and receive funding for such networks under the embedded funding method.
712 Given the expressed requirement of the legislature such a result would apparently
713 be entirely appropriate.

714

715 Q. Although there was general agreement regarding the list of supported services,
716 there were varying positions regarding what lines should be supported. What is
717 your position in regard to this issue?

718 A. The discussion of what lines should be supported becomes relevant, in my mind,
719 in two different instances. First, if the level of funding is based on some
720 calculation of individual line support the number of supported lines becomes
721 relevant in determining the amount of support. Second, if support from the fund
722 is portable to competitive providers the issue becomes relevant as to what specific
723 support is portable. At this time in this proceeding neither of these factors are
724 particularly relevant and the Commission needs to make no decision regarding
725 this issue.

726

727 Q. Why do you say that?

728 A. In regard to portability the statute regarding Section 13-301(d) specifies that IUSF
729 funds from that fund are only available to companies who were receiving support
730 under the current high cost fund and DEM weighting fund. The parties have
731 agreed to delay the discussion of portability of the IUSF and whether and when
732 the IUSF funds proposed under Section 13-301(d) would transfer to a 13-301(e)
733 fund which could be portable. Thus the issue of portability will be discussed in a
734 later phase of this proceeding.

735

736 Second, under the proposed funding determination proposals by various parties in
737 this case, the primary determinant of the IUSF funding amount is the overall
738 company embedded cost earnings determination. This funding determination is
739 limited by an amount needed to achieve a given earnings level of the company
740 irrespective of the number of lines the company serves. Thus the number of

741 supported lines has no relevance to the determination of funding, as proposed by
742 the parties in this case.

743

744 Q. Does the IITA have a position on this issue if the Commission makes a
745 determination?

746 A. Yes. The IITA supports the provision of IUSF funding to all the companies lines
747 consistent with the FCC method of providing federal support.

748

749 THE AFFORDABLE PRICE FOR SUPPORTED SERVICES

750 Q. In arriving at an affordable rate as described in the statute what characteristics
751 should the Commission have in mind in determining the affordable rate?

752 A. First, the Commission should keep in mind that the issue of affordability is to be
753 judged in the context of the public policy goal of providing "universal" local
754 telephone service. Thus, the concept of affordability should be judged in terms of
755 a standard which will provide service at a rate where the vast majority of
756 customers can and will purchase local telephone service at the determined rate.
757 Second, the affordable rate described in the statute is the rate for basic service, but
758 the affordability of that service will depend not only on the rate for basic service,
759 but the additional rates and charges (federal SLC, taxes, mandatory surcharges,
760 etc.) Third, the FCC has given the state commissions the responsibility of taking
761 into account such factors as local calling areas, socio-economic factors, etc. in
762 determining the availability of universal service. The Commission should
763 consider such factors in making its determination.

764 Q. On Page 8 of his testimony Staff witness Staranczak argues that consideration of
765 the local calling area as a factor in determining affordability is not relevant
766 because it is based upon a "value of service" concept. Do you agree with his
767 argument?

768 A. I do not. Primarily I do not believe that consideration of the local calling area is a
769 "value of service" concept. I believe the size of the local calling area has a direct
770 bearing on the affordability of local service.

771

772 Q. Can you explain in detail how the size of the local calling area affects the
773 affordability of basic local service?

774 A. I can. Customers use telephone service for a variety of communication needs.
775 These include such things as arranging medical services and ordering
776 prescriptions, checking on the availability and cost of materials and services for a
777 wide variety of personal needs such as home and car repair, purchase of clothing,
778 recreational needs, etc., communicating with educators regarding their children's
779 educational needs, participation in community and church activities, contact with
780 emergency services and essential government functions, and social contact with
781 friends and relatives. In areas with large local calling areas most of these
782 communication needs fall within the local calling area and are provided through
783 the provision of basic local service. As the size of the local calling area
784 diminishes, fewer of these communication needs are met within the local calling
785 scope. In an exchange such as Kinsman, with less than 100 customers in the local
786 calling scope very few of these needs will be met within the local calling area. In

787 order to meet these communication needs, the customer must purchase intrastate
788 toll services at usage sensitive prices. The need to purchase toll services to meet
789 these essential communication needs reduces the customer's funds available for
790 the purchase of basic local service and thus directly affects the affordability of
791 local service.

792

793 Q. Does Dr. Staranczak recognize that factors such as income and socio-economic
794 status have an impact on affordability?

795 A. He does. Throughout his direct testimony he recognizes that what is affordable in
796 one area of the state or country may be different from what is affordable in
797 another area of the state or country due to such factors. Yet his recommendation
798 is that a single affordable rate be established for all parts of the state.

799

800 Q. Dr. Staranczak includes in his testimony six possible methods for determining an
801 affordable rate. What is your reaction to these methods?

802 A. While each has some rationale for consideration, most of them have significant
803 arbitrary factors associated with them. Others would be difficult to determine
804 until after the fact. For example, one of his alternatives is to use 200% of the
805 Ameritech Band "C" rate. While there is some logic to using the rate for the less
806 urban areas served by Ameritech the choice of twice the rate is totally arbitrary
807 and has no basis. If the Ameritech rate is to be used, and the Commission has
808 found it to be just and reasonable, I would suggest that it would be more
809 appropriate to use the \$13.00 rate itself, rather than twice the rate. This would be

810 much more consistent with provisions of the Telecommunications Act of 1996
811 which, in one of the principles for developing universal service, states that
812 services in rural areas should be "...available at rates that are reasonably
813 comparable to rates charged for similar services in urban areas."

814

815 Another recommendation of Dr. Staranczak is the use of a "level that does not
816 adversely affect the penetration rate." He suggests that because of the relative
817 inelasticity of local service that this rate might be quite high. However, if one
818 reviews the current penetration rate for local service in Illinois which has been
819 declining and is one of the lower rates in the country, the data suggests that in
820 Illinois as a whole that the current rates may already be adversely affecting the
821 penetration rate. Data on the Illinois penetration suggests that using the current
822 rates might be fully appropriate.

823

824 Q. Ultimately Dr. Staranczak chooses as the basis for his recommended rate of \$24
825 for residence customers option #3 of the methods he presents. Can you comment
826 on this option?

827 A. Yes. This method is based on a Bureau of Labor statistic cited by Dr. Staranczak
828 that the average urban wage earning household spends 1.2% of its income on
829 local telephone charges. Dr. Staranczak uses this ratio (but arbitrarily doubles it)
830 to multiply against a low income household income of \$15,000 to arrive at a cost
831 of local service including all federal and local charges, surcharges, taxes, etc. to
832 arrive at a total rate of \$30. From this he subtracts \$6 for the federal SLC charge,

833 mandatory surcharges and taxes to arrive at his proposed affordable rate of \$24.
834 Dr. Staranczak admits that the doubling of the factor is an arbitrary adjustment
835 and subject to question. While this methodology uses a number of reliable
836 national sources as the basis for its development, the arbitrary decision to double
837 the income percentage is not justifiable. Using the sources and methodology
838 otherwise one would arrive at a total rate of \$15 and an affordable local rate
839 excluding taxes, the federal SLC, and mandatory surcharges of \$9.

840

841 Q. Is there other factual evidence that the Commission should consider in arriving at
842 an affordable rate?

843 A. Yes. Harrisonville witness, Mr. Hoops cites additional appropriate national
844 statistics that are relevant to the determination of the affordable rate. These
845 include:

- 846 1. A national urban rate average of \$20.18
- 847 2. A national urban median rate of \$19.57
- 848 3. A national urban average rate of \$19.87

849 Each of these rates is extracted by Mr. Hoops from FCC sources and studies. As
850 he explains, each of the rates include all charges for local service (state and
851 federal charges, taxes, etc.)

852 In arriving at an affordable rate for basic service recognition should be given to
853 these additional charges and they should be subtracted from the overall charges
854 for local service to arrive at the rate for basic service. Based on Dr. Staranczak's

855 estimate of \$6 per month for these charges and using the FCC average data, one
856 arrives at an affordable rate in the \$13 to \$14 range.

857

858 Q. Dr. Staranczak recommends an affordable rate for business service at a higher
859 level (\$27) than for residence service (\$24). Do you agree with this
860 recommendation?

861 A. No. While Dr. Staranczak criticizes "value of service" concepts specifically in
862 regard to considering the impact of local calling areas on the affordability of rates,
863 he apparently has not qualms about using such principles to support a different
864 affordable rate for business than residence customers. His explanation for this
865 difference is that "...business rates are typically a few dollars more than the
866 residential rate..." This comment is based on historical tendencies to charge
867 business customers more than residence customers for "value of service" reasons.
868 In today's environment it is becoming more and more difficult to distinguish
869 between residence and business customers. Some companies no longer make that
870 distinction in their tariffs. I would strongly recommend that this historic artifact
871 not be carried forward into the affordable rate concept and that a single rate be
872 established for all customers.

873

874 Q. Have you prepared a schedule showing the average basic local service rate for the
875 companies and the average rate including the additional charges such as the
876 federal SLC, taxes, and mandatory surcharges?

877 A. I have. IITA Exhibit 4, Attachment 8 is that schedule. I have prepared this
878 schedule to sort the companies from the highest to lowest based on their total
879 payment for local service. The schedule shows for each company the total charge
880 for local service including the additional charges and the difference between the
881 local service rate and the total rate. The schedule shows that on average (a
882 numeric average) the small Illinois company customers pay over \$7.50 in
883 additional charges (taxes, federal SLC, mandatory surcharges) above the local
884 service rate. Only two of the companies have total charges less than \$10 and only
885 seven have total charges less than \$20. This demonstrates that for most of the
886 companies the total charge for local service is above the national average and
887 median rates at this time and that the current rates for the vast majority of the
888 companies is a reasonable estimate of the affordable rate.

889

890 Q. What is your recommendation regarding the affordable rate?

891 A. I continue to recommend, as I did in my direct testimony, that the affordable rate
892 for basic local service be set at the company's current rates. If the Commission is
893 persuaded by the arguments of other witnesses to use a single statewide rate, I
894 would recommend a rate in the neighborhood of \$13 to \$14 based on current
895 nationwide average rates for total service cost less a \$6 estimate of other charges.
896 Finally, I recommend that the rate for residence and business customers be set at
897 the same level.

898

899

900 ACCESS CHARGE ISSUES

901 Q. What are the proposals of various witnesses regarding access charges as it relates
902 to this docket?

903 A. There are two very different proposals regarding access rates. Verizon witness
904 Beauvais suggests that IITA companies that have access rates less than the
905 indicated HAI cost should raise their access rates to the levels indicated by the
906 HAI cost, thus increasing access revenues and reducing revenues needed from the
907 IUSF under the embedded cost methodology. AT&T witness Hegstrom, on the
908 other hand, focuses on the companies whose access rates are above the HAI costs
909 (she uses a variety of average HAI access costs) and recommends that those
910 companies be ineligible to receive IUSF funding at all.

911

912 Q. Do you agree with Mr. Beauvais' recommendation that the IITA companies
913 whose HAI costs are greater than their current access rates should be required to
914 raise those rates?

915 A. No, for a number of reasons. First, this proceeding is not a proceeding about
916 access rate levels and the appropriate method for determining access rates. While
917 I do not disagree with Mr. Beauvais' comment that it may be time to terminate the
918 long-standing Commission policy of mirroring interstate access rates (with some
919 adjustments and exceptions), there is not the time and the issue has not been
920 included as an issue to be dealt with in this proceeding. Second, because of the
921 concern about the validity of the HAI data and results in general which I have
922 covered in greater detail elsewhere in my testimony, I am not at all comfortable

923 accepting the results of the HAI model as the method for establishing access rates,
924 either using the individual company results or the averaged "proxy" results. Mr.
925 Beauvais' recommendation, if it is to be considered, should be done at a different
926 time and in a docket that is specifically dealing with the establishment of access
927 rates.

928

929 Q. Ms. Hegstrom quotes portions of the statute in her response that leads to her
930 recommendation that if "... some level of implicit subsidy exists for any given
931 company, that company should be ineligible for any state universal service
932 funding." Does the statute either require or authorize such a recommendation?

933 A. I do not see anything in the statute which could be construed to either require or
934 authorize such a recommendation. The statute speaks to the need to identify such
935 subsidies and to determine how they can be made explicit. There is no
936 requirement in the statute related to the small companies that such subsidies must
937 be eliminated before a company can be eligible for receiving funding. Ms.
938 Hegstrom's recommendation appears to be her attempt to limit the size of the
939 fund by making many companies who are following the Commission's orders
940 regarding the establishment of access rates suddenly ineligible for IUSF funding.

941

942 Q. Is Ms. Hegstrom's recommendation consistent with the expressed intent of
943 identifying the subsidies?

944 A. It is not. The statute indicates that the Commission should "...determine how
945 such subsidies can be made explicit by the creation of the fund." Ms. Hegstrom's